

**B6.129S2-*Il6*<sup>tm1Kopf</sup>/J**

Stock No: **002650** | Il-6 KO

 Congenic, Targeted Mutation

Sized to accommodate orders of up to 10 or more with age range. Ask Customer Service for details.

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### Also Known As: IL-6<sup>-</sup>, Il-6 KO

These interleukin 6 (IL6) mutant mice show defects in responses to various viruses and in inflammatory responses to tissue damage or infection.

### Donating Investigator

IMR Colony, The Jackson Laboratory

READ MORE +

## GENETIC OVERVIEW

### Genetic Background

000664 C57BL/6J

### Generation

[Contact Technical Support](#)  
(2018-07-27 00:00:00)

*Il6<sup>tm1Kopf</sup>*

### Alele Type

Targeted (Null/Knockout)

### Gene Symbol

*Il6*

### Gene Name

interleukin 6

V I E W   G E N E T I C S

## RESEARCH APPLICATIONS

Internal/Organ Research  
Cancer Research  
Hematological Research  
Immunology, Inflammation and Autoimmunity Research  
Research Tools

V I E W   A L L   R E S E A R C H   A P P L I C A T I O N S

## BASE PRICE

Starting at:

\$147.14 Domestic price for female 3-week

V I E W   P R I C E   L I S T

### Details

#### Detailed Description

Mice homozygous for the targeted mutation are viable and fertile. No gene product (mRNA) is detected by RT-PCR analysis of lipopolysaccharide (LPS) challenged macrophages. Bioassay and enzyme-linked immunosorbent assay (ELISA) analysis of serum from LPS-challenged homozygotes reveals no detectable protein activity. These interleukin 6 (IL6) mutant mice show defects in responses to various viruses and in inflammatory responses to tissue damage or infection.

Of note, IL6-mutant mice may be available on different genetic backgrounds including mixed B6;129S2 (Stock No. [002254](#)), C57BL/6J (Stock No. 002650), BALB/cByJ (Stock No. [007078](#)), and NOD/ShiLtJ (Stock No. [029264](#)).

#### Development

#### Control Suggestions

#### Selected References

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## – Genetics

+ *Il6<sup>tm1Kopf</sup>*

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## – Disease/Phenotype

+ Disease Terms

+ Research Areas By Phenotype

+ Mammalian Phenotype Terms by Genotype

+ References

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## – Technical Support

C O N T A C T   T E C H N I C A L   S U P P O R T

### Genotyping Protocols

Standard PCR:[Il6](#)

Standard PCR:[Il6 MCA](#)

[Genotyping resources and troubleshooting](#)

### Dietary Information

LabDiet® 5K52 formulation (6% fat)

### Breeding Considerations

[This strain is a good breeder.](#)

This strain is maintained by mating homozygous siblings. The expected coat color from breeding is Black.

### [Additional Breeding and Husbandry Support](#)

#### Mating System

Homozygote x Homozygote

#### Appearance

black

Related Genotype: *a/a*

## Citation

When using the Il-6 KO mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #002650 in your Materials and Methods section.

## Animal Health Reports

[Facility Barrier Level Descriptions](#)

 [AX8 \(Standard\)](#)

## ➔ Pricing & Availability



Available Now

Sized to accommodate orders of up to 10 or more with age range. Ask Customer Service for details.

## Domestic **International**

Pricing effective for USA, Canada and Mexico shipping destinations

LIVE MOUSE			
AGE	SEX	GENOTYPE	PRICE
3 weeks	Female	Homozygous for Il6 <sup>tm1Kopf</sup>	\$147.14
	Male	Homozygous for Il6 <sup>tm1Kopf</sup>	\$147.14
4 weeks	Female	Homozygous for Il6 <sup>tm1Kopf</sup>	\$147.14
	Male	Homozygous for Il6 <sup>tm1Kopf</sup>	\$147.14
5 weeks	Female	Homozygous for Il6 <sup>tm1Kopf</sup>	\$147.14
	Male	Homozygous for Il6 <sup>tm1Kopf</sup>	\$147.14
6 weeks	Female	Homozygous for Il6 <sup>tm1Kopf</sup>	\$152.29
	Male	Homozygous for Il6 <sup>tm1Kopf</sup>	\$152.29
7 weeks	Female	Homozygous for Il6 <sup>tm1Kopf</sup>	\$157.44
	Male	Homozygous for Il6 <sup>tm1Kopf</sup>	\$157.44
8 weeks	Female	Homozygous for Il6 <sup>tm1Kopf</sup>	\$162.59
	Male	Homozygous for Il6 <sup>tm1Kopf</sup>	\$162.59
9 weeks	Female	Homozygous for Il6 <sup>tm1Kopf</sup>	\$167.74
	Male	Homozygous for Il6 <sup>tm1Kopf</sup>	\$167.74
10 weeks	Female	Homozygous for Il6 <sup>tm1Kopf</sup>	\$172.89
	Male	Homozygous for Il6 <sup>tm1Kopf</sup>	\$172.89
11 weeks	Female	Homozygous for Il6 <sup>tm1Kopf</sup>	\$178.04
	Male	Homozygous for Il6 <sup>tm1Kopf</sup>	\$178.04
12 weeks	Female	Homozygous for Il6 <sup>tm1Kopf</sup>	\$183.19

SEX

Homozygous for Il6<sup>tm1Kopf</sup>

\$183.19

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## THE JACKSON LABORATORY'S GENOTYPE PROMISE

The Jackson Laboratory has rigorous genetic quality control and mutant gene genotyping programs to ensure the genetic background of JAX® Mice strains as well as the genotypes of strains with identified molecular mutations. JAX® Mice strains are only made available to researchers after meeting our standards. However, the phenotype of each strain may not be fully characterized and/or captured in the strain data sheets. **Therefore, we cannot guarantee a strain's phenotype will meet all expectations.** To ensure that JAX® Mice will meet the needs of individual research projects or when requesting a strain that is new to your research, we suggest ordering and performing tests on a small number of mice to determine suitability for your particular project. We do not guarantee [breeding performance](#) and therefore suggest that investigators order more than one breeding pair to avoid delays in their research.

### Terms Of Use

#### TERMS OF USE

[General Terms and Conditions](#)

QUESTIONS ABOUT TERMS OF USE

#### ADDITIONAL USE RESTRICTIONS APPLY

[Notice regarding distribution of this strain.](#)

#### LICENSING INFORMATION

Phone: 207-288-6470

Email: [TechTran@jax.org](mailto:TechTran@jax.org)

### Related Strains

All

By Allele

By Gene

By Collection



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